

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101580428
Source: IFW0
Date Processed by STIC: 4/20/07

ENTERED



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/580,428

DATE: 04/20/2007
TIME: 16:05:47

Input Set : E:\sequence listing.txt
Output Set: N:\CRF4\04202007\J580428.raw

3 <110> APPLICANT: Ben Gurion Negev Technologies and Applications Ltd.
 4 Ben Gurion Negev Technologies and Applications Ltd.
 5 Yissum
 6 MANDELBOIM, Ofer
 7 PORGADOR, Angel
 9 <120> TITLE OF INVENTION: PEPTIDES DERIVED FROM NATURAL CYTOTOXICITY RECEPTORS AND
 METHODS
 10 OF USE THEREOF
 12 <130> FILE REFERENCE: NAP/003 US
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/580,428
 C--> 15 <141> CURRENT FILING DATE: 2006-05-24
 17 <150> PRIOR APPLICATION NUMBER: US 60/524,648
 18 <151> PRIOR FILING DATE: 2003-11-25
 20 <150> PRIOR APPLICATION NUMBER: PCT/IL2004/001081
 21 <151> PRIOR FILING DATE: 2004-11-24
 23 <160> NUMBER OF SEQ ID NOS: 27
 25 <170> SOFTWARE: PatentIn version 3.3
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 20
 29 <212> TYPE: PRT
 30 <213> ORGANISM: homo sapiens
 33 <220> FEATURE:
 34 <221> NAME/KEY: PEPTIDE
 35 <222> LOCATION: (1)..(20)
 36 <223> OTHER INFORMATION: aa 153-172 of NKp46 (SEQ ID NO:5 herein)
 38 <400> SEQUENCE: 1
 40 Phe Leu Leu Leu Lys Glu Gly Arg Ser Ser His Val Gln Arg Gly Tyr
 41 1 5. 10 15
 44 Gly Lys Val Gln
 45 20
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 28
 50 <212> TYPE: PRT
 51 <213> ORGANISM: homo sapiens
 54 <220> FEATURE:
 55 <221> NAME/KEY: PEPTIDE
 56 <222> LOCATION: (1)..(28)
 57 <223> OTHER INFORMATION: derived from NKp30 amino acids 56-83
 59 <400> SEQUENCE: 2
 61 Arg Asp Glu Val Val Pro Gly Lys Glu Val Arg Asn Gly Thr Pro Glu
 62 1 5 10 15
 65 Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser Ser Arg
 66 20 25
 69 <210> SEQ ID NO: 3

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70 <211> LENGTH: 20
 71 <212> TYPE: PRT
 72 <213> ORGANISM: homo sapiens
 75 <220> FEATURE:
 76 <221> NAME/KEY: PEPTIDE
 77 <222> LOCATION: (1)..(20)
 78 <223> OTHER INFORMATION: corresponds to amino acids 56-75 of NKp30
 80 <400> SEQUENCE: 3
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 83 1 5 10 15
 86 Phe Arg Gly Arg
 87 20
 90 <210> SEQ ID NO: 4
 91 <211> LENGTH: 24
 92 <212> TYPE: PRT
 93 <213> ORGANISM: homo sapiens
 96 <220> FEATURE:
 97 <221> NAME/KEY: PEPTIDE
 98 <222> LOCATION: (1)..(20)
 99 <223> OTHER INFORMATION: amino acids 61-80 of NKp44
 101 <400> SEQUENCE: 4
 103 Lys Lys Gly Trp Cys Lys Glu Ala Ser Ala Leu Val Cys Ile Arg Leu
 104 1 5 10 15
 107 Val Thr Ser Ser Lys Pro Arg Thr
 108 20
 111 <210> SEQ ID NO: 5
 112 <211> LENGTH: 304
 113 <212> TYPE: PRT
 114 <213> ORGANISM: homo sapiens
 116 <300> PUBLICATION INFORMATION:
 117 <308> DATABASE ACCESSION NO: NCBI/CAA04714
 118 <309> DATABASE ENTRY DATE: 1998-09-22
 119 <313> RELEVANT RESIDUES: (1)..(304)
 121 <400> SEQUENCE: 5
 123 Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser
 124 1 5 10 15
 127 Gln Arg Ile Ser Ala Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp
 128 20 25 30
 131 Ala Glu Pro His Phe Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys
 132 35 40 45
 135 Cys Gln Gly Asn Tyr Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly
 136 50 55 60
 139 Ser Leu Phe Ala Val Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys
 140 65 70 75 80
 143 Val Lys Phe Tyr Ile Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr
 144 85 90 95
 147 Ser Cys Ile Tyr Arg Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu
 148 100 105 110
 151 Leu Asp Leu Val Val Thr Glu Met Tyr Asp Thr Pro Thr Leu Ser Val

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152	115	120	125
155	His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr Cys		
156	130	135	140
159	Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Lys Glu Gly Arg		
160	145	150	155
163	Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe Pro		
164	165	170	175
167	Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe Gly		
168	180	185	190
171	Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys Leu		
172	195	200	205
175	Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro		
176	210	215	220
179	Thr Phe Pro Ala Asp Thr Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr		
180	225	230	235
183	Gly Leu Gln Lys Asp His Ala Leu Trp Asp His Thr Ala Gln Asn Leu		
184	245	250	255
187	Leu Arg Met Gly Leu Ala Phe Leu Val Leu Val Ala Leu Val Trp Phe		
188	260	265	270
191	Leu Val Glu Asp Trp Leu Ser Arg Lys Arg Thr Arg Glu Arg Ala Ser		
192	275	280	285
195	Arg Ala Ser Thr Trp Glu Gly Arg Arg Arg Leu Asn Thr Gln Thr Leu		
196	290	295	300
199	<210> SEQ ID NO: 6		
200	<211> LENGTH: 287		
201	<212> TYPE: PRT		
202	<213> ORGANISM: homo sapiens		
204	<300> PUBLICATION INFORMATION:		
205	<308> DATABASE ACCESSION NO: NCBI/CAA06872		
206	<309> DATABASE ENTRY DATE: 1998-09-22		
207	<313> RELEVANT RESIDUES: (1)..(287)		
209	<400> SEQUENCE: 6		
211	Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser		
212	1	5	10
215	Gln Arg Ile Ser Ala Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp		
216	20	25	30
219	Ala Glu Pro His Phe Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys		
220	35	40	45
223	Cys Gln Gly Asn Tyr Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly		
224	50	55	60
227	Ser Leu Phe Ala Val Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys		
228	65	70	75
231	Val Lys Phe Tyr Ile Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr		
232	85	90	95
235	Ser Cys Ile Tyr Arg Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu		
236	100	105	110
239	Leu Asp Leu Val Val Thr Glu Met Tyr Asp Thr Pro Thr Leu Ser Val		
240	115	120	125
243	His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr Cys		

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244	130	135	140
247	Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Leu Lys Glu Gly Arg		
248	145	150	155
251	Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe Pro		160
252	165	170	175
255	Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe Gly		
256	180	185	190
259	Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys Leu		
260	195	200	205
263	Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro		
264	210	215	220
267	Thr Phe Pro Asp His Ala Leu Trp Asp His Thr Ala Gln Asn Leu Leu		
268	225	230	235
271	240		
272	Arg Met Gly Leu Ala Phe Leu Val Leu Val Ala Leu Val Trp Phe Leu		
275	245	250	255
276	Val Glu Asp Trp Leu Ser Arg Lys Arg Thr Arg Glu Arg Ala Ser Arg		
279	260	265	270
280	Ala Ser Thr Trp Glu Gly Arg Arg Arg Leu Asn Thr Gln Thr Leu		
283	275	280	285
284	<210> SEQ ID NO: 7		
285	<211> LENGTH: 209		
286	<212> TYPE: PRT		
287	<213> ORGANISM: homo sapiens		
288	<300> PUBLICATION INFORMATION:		
289	<308> DATABASE ACCESSION NO: NCBI/CAA06873		
290	<309> DATABASE ENTRY DATE: 1998-09-22		
291	<313> RELEVANT RESIDUES: (1)..(209)		
293	<400> SEQUENCE: 7		
295	Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser		
296	1	5	10
299	15		
300	Gln Arg Ile Ser Ala Gln Gln Gln Met Tyr Asp Thr Pro Thr Leu Ser		
303	20	25	30
304	30		
307	Val His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr		
308	35	40	45
311	Cys Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Lys Glu Gly		
312	50	55	60
315	311 Arg Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe		
316	65	70	75
319	80		
320	Pro Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe		
323	85	90	95
327	319 Gly Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys		
328	100	105	110
331	Leu Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp		
332	115	120	125
335	130	135	140
335	Thr Gly Leu Gln Lys Asp His Ala Leu Trp Asp His Thr Ala Gln Asn		
335	145	150	155
335	Leu Leu Arg Met Gly Leu Ala Phe Leu Val Leu Val Ala Leu Val Trp		160

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336 165 170 175
 339 Phe Leu Val Glu Asp Trp Leu Ser Arg Lys Arg Thr Arg Glu Arg Ala
 340 180 185 190
 343 Ser Arg Ala Ser Thr Trp Glu Gly Arg Arg Arg Leu Asn Thr Gln Thr
 344 195 200 205
 347 Leu
 351 <210> SEQ ID NO: 8
 352 <211> LENGTH: 192
 353 <212> TYPE: PRT
 354 <213> ORGANISM: homo sapiens
 356 <300> PUBLICATION INFORMATION:
 357 <308> DATABASE ACCESSION NO: NCBI/CAA06874
 358 <309> DATABASE ENTRY DATE: 1998-09-22
 359 <313> RELEVANT RESIDUES: (1)..(192)
 361 <400> SEQUENCE: 8
 363 Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser
 364 1 5 10 15
 367 Gln Arg Ile Ser Ala Gln Gln Gln Met Tyr Asp Thr Pro Thr Leu Ser
 368 20 25 30
 371 Val His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr
 372 35 40 45
 375 Cys Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Lys Glu Gly
 376 50 55 60
 379 Arg Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe
 380 65 70 75 80
 383 Pro Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe
 384 85 90 95
 387 Gly Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys
 388 100 105 110
 391 Leu Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp
 392 115 120 125
 395 Pro Thr Phe Pro Asp His Ala Leu Trp Asp His Thr Ala Gln Asn Leu
 396 130 135 140
 399 Leu Arg Met Gly Leu Ala Phe Leu Val Leu Val Ala Leu Val Trp Phe
 400 145 150 155 160
 403 Leu Val Glu Asp Trp Leu Ser Arg Lys Arg Thr Arg Glu Arg Ala Ser
 404 165 170 175
 407 Arg Ala Ser Thr Trp Glu Gly Arg Arg Arg Leu Asn Thr Gln Thr Leu
 408 180 185 190
 411 <210> SEQ ID NO: 9
 412 <211> LENGTH: 488
 413 <212> TYPE: PRT
 414 <213> ORGANISM: artificial
 416 <220> FEATURE:
 417 <223> OTHER INFORMATION: conjugate of leader peptide, D1 and D2 domains of NKp46 with
 Fc
 418 domain
 420 <400> SEQUENCE: 9
 422 Met Ser Ser Thr Leu Pro Ala Leu Leu Cys Val Gly Leu Cys Leu Ser
 423 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY
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DATE: 04/20/2007
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Input Set : E:\sequence listing.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:9,10,11,13,15,16,17,19,20,21,23,25,26,27

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/580,428

DATE: 04/20/2007

TIME: 16:05:48

Input Set : E:\sequence listing.txt

Output Set: N:\CRF4\04202007\J580428.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date